

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 60170803  
PUBLICATION DATE : 04-09-85

APPLICATION DATE : 15-02-84  
APPLICATION NUMBER : 59027649

APPLICANT : YOSHIMURA KOGAKU KK;

INVENTOR : YOSHIMURA KAZUO;

INT.CL. : G02B 5/30 G02B 3/00

TITLE : LENS FOR USE IN OPTICAL FILTER

ABSTRACT : PURPOSE: To enhance surface hardness and to prevent deterioration of transparency due to abrasion of the surface by using a lens composed of a surface layer made of a glass or ceramic lens specified in thickness and an inner layer made of a polarizing anisotropic org. polymer lens.

CONSTITUTION: The surface layer of a lens for use in an optical filter is formed of a 0.1~2mm glass or ceramic lens, and its inner layer is formed of a 0.5~5mm thick anisotropic org. polymer lens having polarizing characteristics. For example, the convex side of a spherical lens of a uniaxially stretched 6-10 nylon is subjected to a polarizing treatment with an alcoholic soln. of I-KI, and bonded to the concave side of a spherical lens of quartz glass. As a result, the obtained optical filter lens is high in surface hardness and small in deterioration of transparency due to surface abrasion, and light in weight.

COPYRIGHT: (C)1985,JPO&Japio